SOUNDINGS IN FEET

13288

LORAN-C OVERPRINTED

Formerly C&GS 1304, 1st Ed., June 1973; C-1940-736

UNITED STATES - EAST COAST
MAINE

MONHEGAN ISLAND TO CAPE ELIZABETH

Mercator Projection
Scale 1:80,000 at Lat. 43°48'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place Name	(Lat/Long)	Heights referred to datum of soundings (MLLW) Mean Higher High Water feet	Mean High Water feet	Mean Low Water feet	Extreme Low Water feet
Monhegan Island	(43°46'N/69°19'W)	9.6	9.1	0.3	-3.5
Muscongus Harbor	(43°58'N/69°27'W)	9.8	9.3	0.3	-3.5
Boothbay Harbor	(43°51'N/69°38'W)	9.6	9.1	0.3	-3.5
Bath, Kennebec River	(43°55'N/69°49'W)	7.0	6.6	0.2	-3.5
Small Point Harbor, Casco Bay	(43°44'N/69°51'W)	9.6	9.1	0.3	-3.5
Portland, Casco Bay	(43°40'N/70°15'W)	9.9	9.4	0.3	-4.0

(266)

NOTE B
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA), Sea U.S. Coast Pilots appendix for addresses of EPA offices.

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
5930 ..... 59,300 Microseconds
9960 ..... 99,600 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators)
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 9960-W

RATES ON THIS CHART
9960-W 9960-X 9960-Y
5930-X 5930-Y

Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position shown have been adjusted based on theoretically determined overland signal propagation delays. They have not been verified by comparison with survey data. Every effort has been made to meet the ¼ nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the fixes in inshore waters.

CAUTION
CHANGES in BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 1. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, Mass. or at the Office of the Division Engineer, Corps of Engineers in Waltham, Mass. Refer to charted regulation section numbers.

NOTE C
The 12 nautical mile territorial sea was established by Presidential Proclamation 5928, December 27, 1988, and is also the outer limit of the U.S. contiguous zone for the application of domestic law. The 3 nautical mile line, previously identified as the outer limit of the territorial sea, is retained because the proclamation states that it does not alter existing State or Federal law. The 9 nautical mile natural resources boundary off Texas, the Gulf coast of Florida, and Puerto Rico, and the 3 nautical mile line elsewhere remain the inner boundary of the Federal fisheries jurisdiction and the limit of state jurisdiction under the Submerged Lands Act (P.L. 83-31, 67 Stat. 29, March 22, 1953). These maritime limits are subject to modification, as represented on future charts. The lines shown on the most recent chart edition take precedence.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center (tel. 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Portland, Maine	KDO -15	162.55 MHz
Dresden, Maine	WSM-60	162.475 MHz

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

Nautical Miles
Yards

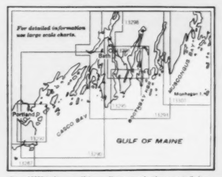

Chart 13288 is for use offshore. Navigational aids are not all shown on this chart in harbors and inside passages. Use large scale charts in navigating such areas.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to North American Datum of 1927 must be corrected an average of 0.29" northward and 1.825" eastward to agree with this chart.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details, see U.S. Coast Guard Light List.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical
Al alternating
B black
Bn beacon
C can
DA diaphone
E ex equal interval (fixed)
F fixed
Fl flashing
G green
Gp group
IQ interrupted quick
Iso isophase (E ex)
LT HO lighthouse
M nautical mile
m minutes
MICRO TR microwave tower
Mo - morse code
N nun
OBSC obscured
Oc occulting
Or orange
Q quick
R red
Ra Ref radar reflector
R Bn radiobeacon
R TR radio tower
Rot rotating
s seconds
SEC sector
SI M statute miles
VQ very quick
W white
WHIS whistle
Y yellow
Bottom characteristics:
Blds boulders
Br broken
Cy clay
Co coral
G green
Grs grass
gy gray
h hard
M mud
Oys oysters
Rk rock
S sand
so soft
Sh shells
sy sticky
Miscellaneous:
AUTH authorized
Obstn obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged
ED existence doubtful
Wk wreck
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.
COLREGS International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus:

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

CAUTION
Improved channels, shown by broken lines are subject to shoaling, particularly at the edges.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 1 for important supplemental information.

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
(Accurate location) (Approximate location)

STORM WARNINGS
The National Weather Service displays storm warnings at the following approximate location:
South Portland C.G. Base (43°38.7'-70°14.8')

RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other privately maintained buoys are not all listed in the U.S. Coast Guard Light List.

NOTE D
PRECAUTIONARY AREA
Traffic within the Precautionary Area may consist of vessels operating between Portland Harbor and one of the established traffic lanes. Mariners are advised to exercise extreme caution in navigating within this area.
Recommended traffic lanes have been established for the approaches to Portland Harbor (see charts 13200 and 13286).

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CABLE AND PIPELINE AREAS
The cable and pipelines located within the area covered by the larger scale charts are shown thereon, and are repeated only in offshore areas on this chart.

LOCAL MAGNETIC DISTURBANCE
Differences of as much as 8° from the normal variation have been observed in an area around Ringwood Rock for approximately 1 nautical mile in all directions.

LORAN LINEAR INTERPOLATOR

PRECAUTIONARY AREA (see note B)

(see note B)

Swan Island
Pork Pt.
Twin Rk
Bomoseen
Sheepscot River
Newcastle
Damariscotta
Damariscotta Mills
Bald Rk
Hendricks Head
Westport I.
Hockomock Bay
Muscongus Bay
Monhegan I.
Topsham
BRUNSWICK
Cooks Corner
Harding
New Meadows
BATH
Woolwich
Arrowsic I.
Georgetown I.
Parker Head
Phippsburg
Seguin I.
Seguin SSW Ledge
Boothbay Harbor
East Boothbay
Linekin Bay
Southport I.
Damariscove I.
Pemaquid Point
Johns Bay
Booth Bay
Sheepscot Bay
Freeport
Yarmouth
Harraseeket River
Middle Bay
Casco Bay
Portland
Portland Head
Cape Elizabeth
Two Lights
Bigelow Bight
Gulf of Maine
Orrs Island
Great Chebeague I.
Little Chebeague I.
Jewell I.
Hussey Sound
Broad Sound
Fore River
Back Cove
Spring Point Ledge Light
Ram Island Ledge Light
Halfway Rk
Trundy Pt.
Higgins Beach
Scarborough Beach
Prout Neck
Pine Point
Old Orchard Beach
Wood Island Light
Saco Bay
Kennebec River
Sheepscot River
Back River
Johns River
Damariscotta River
Muscongus Sound
Medomak River
Weskeag River
Broad Cove
Thrumcap Ledge
Temple Ledge
Lumbo Ledge
Brown Cow
Camel Ground
Mile Ledge
Fuller Rk
Danger Area
Unexploded ordnance Rk
Unexploded depth bombs reported
Dump Site
Wreck
Obstn
Rep 1969
Rep 1970
Rep 1971
Rep 1972
Rep 1973
Rep 1974
Rep 1975
Rep 1976
Rep 1977
Rep 1978
Rep 1979
Rep 1980
Rep 1981
Rep 1982
Rep 1983
Rep 1984
Rep 1985
Rep 1986
Rep 1987
Rep 1988
Rep

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Nautical Chart Catalog No. 1, Panel H

LORAN-C

NERAL EXPLANATION

FREQUENCY 100kHz
PETITION INTERVAL
..... 59,300 Microseconds
..... 99,600 Microseconds
YPE DESIGNATORS: (Not individual sta-
tsignations)
..... Master
..... Secondary
..... Secondary
..... Secondary
..... Secondary
9960-W

TES ON THIS CHART

)-W 9960-X 9960-Y
930-X 5930-Y

correction tables published by the Defense
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69°30'

MUSCONGUS BAY

MAINE

GULF OF

SOUNDINGS IN FEET

(Monhegan Island to Cape Elizabeth)

SOUNDINGS IN FEET - SCALE 1:80,000

13288

LORAN-C OVERPRINTED

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

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